

SECTION 01410**TESTING AND TESTING LABORATORY SERVICES****PART 1 GENERAL**

1.01 SCOPE OF WORK

- A. MDWASD will employ and pay for services of an independent testing laboratory to perform testing as indicated in the Project Documents, and may at any time elect to have materials and equipment tested for conformance with the Project Documents.
- B. Cooperate with the laboratory to facilitate the execution of its required services.
- C. Testing laboratory inspection, sampling and testing will be required for, but not limited to, the following:
 - 1. Soil Compaction
 - 2. Cast-in-Place Concrete
 - 3. Mechanical Work

1.02 CONTRACTOR'S RESPONSIBILITIES

- A. Cooperate with laboratory personnel and provide access to Work.
- B. Make available, at no cost to MDWASD, adequate quantities of representative samples of materials proposed to be used and which require testing.
- C. Provide to the laboratory the preliminary design mix approved to be used for concrete, and other materials mixes, which require control by the testing laboratory.
- D. Furnish incidental labor and facilities:
 - 1. To provide access to work to be tested
 - 2. To obtain and handle samples at the Project site or at the source of the product to be tested
 - 3. To facilitate inspections and tests
 - 4. For storage and curing of test samples
- E. Notify laboratory sufficiently in advance of operations to allow for laboratory assignment of personnel and scheduling of tests.

1.03 PAYMENT FOR TESTING

5/2017

- A. MDWASD will pay for initial testing services required elsewhere in these Specifications.
- B. When initial tests indicate non-compliance with the Project Documents, subsequent retesting occasioned by the non-compliance shall be performed by the same Testing Laboratory, and all costs thereof shall be paid for by the Contractor.
- C. Inspecting and testing, performed exclusively for the Contractor's convenience, shall be the sole responsibility of and shall be paid for by the Contractor.

1.04 QUALITY ASSURANCE

- A. Upon completion of each test and/or inspection, promptly distribute copies of test or inspection reports to the Engineer, the Contractor, to governmental agencies requiring submission of such reports, and to other persons as directed by the Engineer.

PART 2 PRODUCTS

2.01 TEST METHODS

- A. Tests and Inspections will be conducted in accordance with the requirements of these specifications or, if not herein specified, in accordance with the latest standards of the American Society for Testing and Materials (ASTM), or other approved and recognized authorities as acceptable to MDWASD.
- B. Requirements for testing are described in various Sections of these Specifications.

PART 3 EXECUTION

NOT USED

END OF SECTION